

CLEMATIS PLANT NAMED 'VANSO'

LATIN NAME OF GENUS

The botanical classification of the new Clematis plant is *Clematis* hybrid.

5 VARIETY DENOMINATION

The new plant has the varietal denomination 'VANSO'.

BACKGROUND OF THE INVENTION

The present invention relates to a new Clematis plant having the varietal denomination 'VANSO'. 'VANSO' was discovered
10 as a natural branch mutation of the variety 'MRS. CHALMONDELEY', not known to be patented.

SUMMARY OF THE INVENTION

The new variety is a Clematis plant with a climbing habit distinguished by production of fully double flowers. Asexual
15 reproduction of the new variety as performed by softwood cuttings in Boskoop, The Netherlands has confirmed that the distinguishing characteristics of the new variety are transmitted through succeeding generations and asexually reproduced plants of the new variety reproduce true-to-type.

20 COMPARISON WITH PARENT

The new variety differs from its parent, 'MRS. CHALMONDELEY', in producing flowers which are fully double; whereas flowers of the parent variety are single.

BRIEF DESCRIPTION OF ILLUSTRATIONS

25 The accompanying illustrations depict plants of the new variety in color as true as possible in color photographic illustrations of this nature.

FIG. 2 shows a close up of the flower of the new variety.

5 The following is a description of the new variety taken
from 2-year-old plants grown out-of-doors in 5 liter containers
in Boskoop, The Netherlands during the month of June. Color
designations used herein are from THE ROYAL HORTICULTURAL
SOCIETY COLOUR CHART ("RHSC"). The age of the plants used for
10 the description is 2 years and were grown in 5 litre containers.

The plant grows in a climbing habit and attains a height of slightly more than 2 M. with an average diameter of about 35 cm. and with vigorous growth.

Size: About 5 cm. to 8 cm. long, up to about 4.8 cm. wide; diameter approximately 35 cm.

Quantity: About 6 leaves (3 pairs of opposite leaves) per about 15 cm. stem.

Average length:	About 15.3 cm.
Average width:	About 9.3 cm.
Average length of leaflets:	About 5 to 8 cm; average about 6.2 cm.
Average width of leaflets:	About 2.7 to 4.8 cm; average about 3.2 cm.

	Leaflet apex:	Apiculate
	Leaflet base:	Attenuate to acuminate
	Average petiole length:	About 7.5 cm.
5	Average petiole width:	About 2 mm.
	Color	
	Immature foliage	
	Upper side:	Between R.H.S.-CC 141A and 143A
10	Underside:	Between R.H.S.-CC 146A and 146B
	Mature foliage	
	Upper side:	Near 137A
	Under side:	Between R.H.S.-CC 137B and 137C
	Shape:	Trifoliolate - leaflets are ovate to narrow ovate
15	Texture	
	Upper side:	Smooth
	Under side:	Smooth
	Venation:	Anastomosing
20	Edge:	Smooth with no serration observed.
	Petiole color	
	Top surface:	Near 166A
	Under side:	Between R.H.S.-CC 143A and 141B
25	Stipules:	No stipules observed
	Auricles:	No auricles observed
	Rachis:	Smooth
	STEM	
	Average length:	About 90 cm.
30	Average width:	About 3 mm.
	Texture:	Smooth, slightly glossy

	Aspect:	Ribbed lengthways with an average of 6 ribs
	Average internode length:	About 12.6 cm.
5	Color of young stem:	Near R.H.S.-CC 143A to 143C to 144A
WOOD		
10	Color:	Color of new wood green to yellow green - near R.H.S.-CC 143A and 143C to 144A; color of old wood greyed-orange - near R.H.S.-CC 175A to 175B
15	Bark:	Bark has short pale greyish hairs
FLOWER:		
	Color:	Clear blue double flowers
	Shape of buds:	Ovate
20	Average length of buds:	About 2.4 cm.
	Average width of buds:	About 1.4 cm.
	Color of buds:	Yellow-green, near R.H.S.-CC 145A, with lighter axial stripes near R.H.S.-CC 145D.
25	Average number of flowers and buds per plant per season:	7
	Flower shape:	Rotate
30	Average flower diameter:	About 16.1 cm.
	Average flower depth:	About 6.7 cm.

Fragrance: Very faint, sweet

Tepals

Average number: 6 (occasionally 7 or 8)

Average length: About 8 cm.

5 Average width: About 4.9 cm.

Shape: Obovate

Apex: Mucronulate

Base: Cuneate

Margin: Entire

10 Color of tepal
when young

Upper side: Violet-blue; near R.H.S.-CC 92A,
tip and central band near the tip
near R.H.S.-CC 71B to 71C

15 Under side: Violet-blue; near R.H.S.-CC 90D,
with a broad central band near
R.H.S.-CC 145C to 145D (with a
slight touch of violet-blue)

20 Color of tepal
when mature

Upper side: Violet-blue; near R.H.S.-CC 91B
with a lighter center near
R.H.S.-CC 91D and a small blotch
near R.H.S.-CC 71C to 71D at the
tip

25 Under side: Violet-blue; near R.H.S.-CC 91C;
margins darker; near R.H.S.-CC
91B and a broad central band near
R.H.S.-CC 145C to 145D

30 Tepaloids:

Average number: About 325

	Average length:	About 4.2 cm.
	Average width:	
	Outer	
	(wider):	About 1.8 cm.
5	Inner	
	(Narrower):	About 4.5 mm.
	Shape	
	Outer:	Obovate
	Inner:	Linear
10	Apex	
	Outer:	Rounded to praemorse
	Inner:	Acute
	Base:	Cuneate
	Margin:	Entire
15	Color when young	
	Upper side:	Outer tepaloids violet-blue near R.H.S.-CC 92A; tip violet near R.H.S.-CC 86B; inner tepaloids violet near R.H.S.-CC 86B to 86C
20	Under side:	Outer tepaloids violet-blue near R.H.S.-CC 90D, with a broad central band near R.H.S.-CC 145C to 145D; inner tepaloids violet-blue near R.H.S.-CC 91D
25	Color when mature	
	Upper side:	Outer tepaloids violet-blue near R.H.S.-CC 91A with a lighter center near R.H.S.-CC 91B to 91C; inner tepaloids violet-blue near R.H.S.-CC 92A
30		

5 Under side: Outer tepaloids violet-blue near
 R.H.S.-CC 91C to 91D, margins
 darker near R.H.S.-CC 91B and a
 central blotch near R.H.S.-CC
 145D; inner tepaloids violet-blue
 near 91D

 Average flower
 lastingness of
 individual flower: 20 days

10 Time to produce
 a flowering plant: 12 months

 Natural flowering
 season: June to September in Boskoop,
 The Netherlands

15 Flowers completely double; all reproductive organs
transformed into tepaloids. No pollen are formed, no anthers,
stigmas, or pistils are present, no fruits or seeds are
produced.

20 WINTER HARDINESS: Winter hardy in USDA Zone 5

 RESISTANCE TO DISEASE: No more susceptible to disease
 than its parent variety or other
25 similar varieties.

 BREEDING: Asexual reproduction was started
 from softwood cuttings during the
 summer months in tunnels.
30 Natural mutation was observed
 when one branch of the parent

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SUBSTITUTE SPECIFICATION
(Clean Copy)

variety flowered with double flowers. This mutation branch was then propagated by softwood cuttings.

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STAMENS, FILAMENTS & ANTHERS

Arrangement:

Flowers are completely double, so no stamens, styles, etc. are visibly present. No seed formation observed.

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